What is claimed is:

1.   A mobile communication system wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the mobile communication

5   system comprising: means for retaining a flag indicating whether the mobile router is active or not; means for inquiring about routing address information for the mobile router based on the value of the retained flag when paging is performed to the mobile node; and means for performing paging to the

10   mobile node using the obtained routing address information as a result of the inquiry.

2.   The mobile communication system according to claim 1; further comprising means for setting the flag to a value

15   indicating an active state in response to a signal sent from the mobile node and indicating start of communication, and setting the flag to a value indicating a dormant state in response to a signal sent from the mobile node and indicating end of communication.

20

3.   A mobile communication system wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the mobile communication system comprising:

25   a routing manager comprising: a table for storing routing address information for the mobile router; and means for, when the routing address information for the mobile router in the

table is updated, notifying the updated routing address information; and

a location manager comprising: a table for storing the routing address information notified by the routing manager as location area information for the mobile router; and means for performing paging to the mobile node using the location area information stored in the table.

4. A location manager wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the location manger comprising: means for retaining a flag indicating whether the mobile router is active or not; means for inquiring about routing address information for the mobile router based on the value of the retained flag when paging is performed to the mobile node; and means for performing paging to the mobile node using the routing address information obtained as a result of the inquiry.

5. The location manager according to claim 4; further comprising means for setting the flag to a value indicating an active state in response to a signal sent from the mobile node and indicating start of communication, and

setting the flag to a value indicating a dormant state in response to a signal sent from the mobile node and indicating end of communication.

6.   A location manager wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the location manger comprising: a table for storing routing address information for the mobile

5   router, which is notified whenever the routing address is updated, as location area information for the mobile router; and means for performing paging to the mobile node using the location area information stored in the table.

10   7.   A routing manager used for a mobile communication system wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the routing manager comprising: a table for storing routing address information for the mobile router; means for

15   replying the routing address information stored in the table in response to an inquiry about the routing address information for the mobile router.

8.   A routing manager used for a mobile communication system

20   wherein a mobile router moving with mobile nodes performs location update of the mobile nodes on behalf of the mobile nodes; the routing manager comprising: a table for storing routing address information for the mobile router; means for, when the routing address information for the mobile router

25   in the table is updated, notifying the updated routing address information.